

AMENDMENTS TO THE CLAIMS

The following is a complete, marked-up listing of revised claims with a status identifier in parenthesis, underlined text indicating insertions, and strike through and/or double-bracketed text indicating deletions.

LISTING OF CLAIMS

1. (Currently Amended) computer readable medium storing a data structure for managing reproduction of at least one of video and audio data performed by a reproduction device, comprising:

a data area ~~for~~ storing a stream file including the at least one of video and audio data;

a clip information area storing a clip information file including timing information of the at least one of video and audio data;

a playlist area storing a playlist file including at least one playitem identifying a playing interval in a clip of the at least one of video and audio data; and

~~a navigation area, separate from the data area, for storing at least one navigation file, the navigation file including a path item, the path item navigation commands for launching the playlist file by using a navigation command managing reproduction of the at least one of video and audio data, the navigation file path item providing parental control of the at least one of video and audio data.~~

wherein the stream file, the clip information file, the playlist file and the navigation file are separate from each other.

2.-14. (Cancelled)

15. (Currently Amended) The computer readable medium of claim 1, wherein the path itemnavigation file further includes a length indicator indicating a length of the navigation filepath item.

16. (Currently Amended) The computer readable medium of claim 1, wherein the path itemnavigation file further includes an attribute indicator providing an indication of at least one attribute of the path itemnavigation file.

17. (Currently Amended) The computer readable medium of claim 1, wherein the navigation commands are divided into navigation command groups, and the navigation file further includes a field number of navigation command groups indicator indicating a number of the navigation command groups path items in the navigation file.

18. (Cancelled)

19. (Currently Amended) A method of recording a data structure for managing reproduction of at least one of video and audio data on a computer readable medium, comprising:

recording the-a stream file including at least one of video and audio data in a data area of the computer readable medium;

recording a clip information file including timing information of the at least one of video and audio data in a clip information area of the computer readable medium;

recording a playlist file including at least one playitem identifying a playing interval in a
clip of the at least one of video and audio data in a playlist area of the computer readable
medium; and

recording at least one navigation file including a path item in a navigation area of the
computer readable medium, the path item launching the playlist file by using a navigation
command, separate from the data area, wherein the recording at least one navigation file includes:

recording navigation commands for managing reproduction of the at least one of video
and audio data; and

recording the navigation file the path item providing parental control of the at least one of
video and audio data,

wherein the stream file, the clip information file, the playlist file and the navigation file
are separate from each other.

20. (Currently Amended) A method of reproducing a data structure for managing reproduction of at least one of video and audio data recorded on a computer readable medium, comprising:

reproducing at least one navigation file including a path item recorded in a navigation
area of the computer readable medium, the path item launching a playlist file by using a
navigation command, the path item providing parental control of the at least one of video and
audio data; and

reproducing the playlist file launched by the navigation command, the playlist file
including at least one playitem identifying a playing interval in a clip of the at least one of video
and audio data recorded in a playlist area of the computer readable medium;

reproducing a clip information file including timing information of the at least one of video and audio data recorded in a clip information area of the computer readable medium; and
reproducing a stream file including the at least one of video and audio data recorded in a data area of the computer readable medium, separate from the navigation area, wherein the reproducing at least one navigation file includes the stream file, the clip information, the playlist file and the navigation file are separate from each other;
reproducing navigation commands for managing reproduction of the at least one of video and audio data; and
reproducing the navigation file providing parental control of the at least one of video and audio data.

21. (Currently Amended) An apparatus for recording a data structure for managing reproduction of at least one of video and audio data on a computer readable medium, comprising:
a pickup configured to record a stream file including the at least one of the video and audio data in a data area of the computer readable medium; and
a controller, operably coupled to the pickup, configured to control the pickup to record a clip information file including timing information of the at least one of video and audio data in a clip information area of the computer readable medium;
the controller configured to record a playlist file including at least one playitem identifying a playing interval in a clip of the at least one of video and audio data in a playlist area of the computer readable medium, and
the controller configured to record at least one navigation file including a path item in a navigation area of the computer readable medium, separate from the data area, the path item launching the playlist file by using a navigation command, wherein the controller controls the

~~pickup to record navigation commands for managing reproduction of the at least one of video and audio data and information for the path item providing parental control of the at least one of video and audio data in the navigation file,~~

wherein the stream file, the clip information file, the playlist file and the navigation file are separate from each other.

22. (Currently Amended) An apparatus for reproducing a data structure for managing reproduction of at least one of video and audio data recorded on a computer readable medium, comprising:

a pickup configured to reproduce data recorded in ~~a data area~~ of the computer readable medium;

a controller, ~~operably coupled to the pickup~~, configured to control the pickup to reproduce at least one navigation file including a path item recorded on a navigation area of the computer readable medium, the path item launching a playlist file by using a navigation command, the path item providing parental control of the at least one of video and audio data,

the controller configured to reproduce the playlist file launched by the navigation command, the playlist file including at least one playitem identifying a playing interval in a clip of the at least one of video and audio data recorded in a playlist area of the computer readable medium;

the controller configured to reproduce a clip information file including timing information of the at least one of video and audio data recorded in a clip information area of the computer readable medium, and

the controller configured to reproduce a stream file including the at least one of video and audio data recorded in a data area of the computer readable medium,

wherein the stream file, the clip information file, the playlist file and the navigation file are separate from each other, separate from the data area, wherein the controller controls the pickup to reproduce navigation commands for managing reproduction of the at least one of video and audio data and information for providing parental control of the at least one of video and audio data, included in the navigation file.

23.-26. (Cancelled)

27. (Previously Presented) The apparatus of claim 22, wherein the at least one of video and audio data forms different parental control reproduction paths, and the apparatus further comprises:

an interface unit configured to communicate with the controller to select one of the different parental control reproduction paths.

28. (Previously Presented) The apparatus in claim 27, wherein the interface unit receives user input on the different parental control reproduction paths, and the controller controls the reproduction of the at least one of video and audio data based on the user input.

29. (Cancelled)

30. (New) The method of claim 19, wherein the path item further includes an attribute indicator providing an indication of at least one attribute of the path item.

31. (New) The method of claim 19, wherein the navigation file further includes a field indicating number of the path items in the navigation file.
32. (New) The method of claim 20, wherein the path item further includes an attribute indicator providing an indication of at least one attribute of the path item.
33. (New) The method of claim 20, wherein the navigation file further includes a field indicating number of the path items in the navigation file.
34. (New) The apparatus of claim 21, wherein the path item further includes an attribute indicator providing an indication of at least one attribute of the path item.
35. (New) The apparatus of claim 21, wherein the navigation file further includes a field indicating number of the path items in the navigation file.
36. (New) The apparatus of claim 22, wherein the path item further includes an attribute indicator providing an indication of at least one attribute of the path item.
37. (New) The apparatus of claim 22, wherein the navigation file further includes a field indicating number of the path items in the navigation file.